\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=8; hr=16; min=4; sec=26; ms=83; ]

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10564698 Version No: 2.0

Input Set:

Output Set:

**Started:** 2007-12-20 15:12:42.360 **Finished:** 2007-12-20 15:12:44.082

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 722 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 301
Actual SeqID Count: 301

## SEQUENCE LISTING

```
<110> Argoud-Puy, Guilaine
     Bederr, Nassima
     Bougueleret, Lydie
     Cusin, Isabelle
     Mahe, Eve
     Niknejad, Anne
     Reffas, Samia
     Rose, Keith
     Saudrais, Cedric
<120> SECRETED POLYPEPTIDE SPECIES REDUCED IN CARDIOVASCULAR DISORDERS
<130> 33639/GEP 5048 US-PCT
<140> 10564698
<141> 2007-12-20
<150> US 60/487,351
<151> 2003-07-15
<150> US 60/487,290
<151> 2003-07-15
<150> US 60/487,288
<151> 2003-07-15
<150> US 60/487,391
<151> 2003-07-15
<150> PCT/EP04/007842
<151> 2004-07-15
<160> 301
<170> PatentIn version 3.1
<210> 1
<211> 9
<212> PRT
<213> Homo sapiens
<400> 1
Cys Leu His Pro Cys Val Ile Ser Arg
              5
<210> 2
<211> 9
<212> PRT
<213> Homo sapiens
```

```
Glu Ala Thr Phe Cys Asp Phe Pro Lys
1 5
<210> 3
<211> 11
<212> PRT
<213> Homo sapiens
<400> 3
Glu Ile Met Glu Asn Tyr Asn Ile Ala Leu Arg
<210> 4
<211> 7
<212> PRT
<213> Homo sapiens
<400> 4
Gly Trp Ser Thr Pro Pro Lys
<210> 5
<211> 11
<212> PRT
<213> Homo sapiens
<400> 5
Ile Asn His Gly Ile Leu Tyr Asp Glu Glu Lys
<210> 6
<211> 13
<212> PRT
<213> Homo sapiens
<400> 6
Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr Pro Lys
<210> 7
<211> 8
<212> PRT
<213> Homo sapiens
<400> 7
Leu Glu Tyr Pro Thr Cys Ala Lys
```

```
<211> 13
<212> PRT
<213> Homo sapiens
<400> 8
Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys Val Glu Arg
             5
                               10
<210> 9
<211> 9
<212> PRT
<213> Homo sapiens
<400> 9
Asn Gly Gln Trp Ser Glu Pro Pro Lys
            5
<210> 10
<211> 18
<212> PRT
<213> Homo sapiens
<400> 10
Asn Gly Gln Trp Ser Glu Pro Pro Lys Cys Leu His Pro Cys Val Ile
                    10
    5
Ser Arg
<210> 11
<211> 5
<212> PRT
<213> Homo sapiens
<400> 11
Ser Phe Trp Thr Arg
<210> 12
<211> 18
<212> PRT
<213> Homo sapiens
```

<210> 8

Ser Phe Trp Thr Arg Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr 10 Pro Lys <210> 13 <211> 20 <212> PRT <213> Homo sapiens <400> 13 Ser Thr Asp Thr Ser Cys Val Asn Pro Pro Thr Val Gln Asn Ala His 5 10 Ile Leu Ser Arg 20 <210> 14 <211> 10 <212> PRT <213> Homo sapiens <400> 14 Thr Gly Glu Ser Ala Glu Phe Val Cys Lys 5 10 <210> 15 <211> 11 <212> PRT <213> Homo sapiens <400> 15 Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg 1 5 <210> 16 <211> 15 <212> PRT <213> Homo sapiens

```
<212> PRT
<213> Homo sapiens
<400> 17
Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser
1 5
                 10
Cys Glu Tyr Asn Phe Val Ser Pro Ser Lys
   20
             25
<210> 18
<211> 10
<212> PRT
<213> Homo sapiens
<400> 18
Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg
   5
<210> 19
<211> 12
<212> PRT
<213> Homo sapiens
<400> 19
Glu Thr Ala Ala Ser Leu Leu Gln Ala Gly Tyr Lys
1 5
                       10
<210> 20
<211> 20
<212> PRT
<213> Homo sapiens
<400> 20
Gly Gln Pro Ser Val Leu Gln Val Val Asn Leu Pro Ile Val Glu Arg
                        10
Pro Val Cys Lys
    20
<210> 21
<211> 16
<212> PRT
<213> Homo sapiens
```

<211> 26

```
His Gln Asp Phe Asn Ser Ala Val Gln Leu Val Glu Asn Phe Cys Arg
                               10
<210> 22
<211> 20
<212> PRT
<213> Homo sapiens
<400> 22
Ile Val Glu Gly Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val
                         10
Met Leu Phe Arg
   20
<210> 23
<211> 19
<212> PRT
<213> Homo sapiens
<400> 23
Leu Ala Val Thr Thr His Gly Leu Pro Cys Leu Ala Trp Ala Ser Ala
                          10
Gln Ala Lys
<210> 24
<211> 13
<212> PRT
<213> Homo sapiens
<400> 24
Thr Ala Thr Ser Glu Tyr Gln Thr Phe Phe Asn Pro Arg
1 5
                     10
<210> 25
<211> 17
<212> PRT
<213> Homo sapiens
<400> 25
Thr Phe Gly Ser Gly Glu Ala Asp Cys Gly Leu Arg Pro Leu Phe Glu
    5
```

10

<213> Homo sapiens

```
<210> 26
<211> 13
<212> PRT
<213> Homo sapiens
<400> 26
Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg
    5
                       10
<210> 27
<211> 13
<212> PRT
<213> Homo sapiens
<400> 27
Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr Arg
             5
                               10
<210> 28
<211> 17
<212> PRT
<213> Homo sapiens
<400> 28
Gly Gln Cys Gly Glu Asn Leu Ala Trp Ala Ser Tyr Asp Gln Thr Gly
                          10
Lys
<210> 29
<211> 7
<212> PRT
<213> Homo sapiens
<400> 29
His Gly Val Pro Pro Leu Lys
<210> 30
<211> 17
<212> PRT
```

```
<400> 30
```

Asn Leu Asn Arg Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr 10 Arg <210> 31 <211> 22 <212> PRT <213> Homo sapiens <400> 31 Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe 10 Thr Ala Met Val Trp Lys 20 <210> 32 <211> 6 <212> PRT <213> Homo sapiens <400> 32 Trp Tyr Ser Glu Ile Lys <210> 33 <211> 13 <212> PRT <213> Homo sapiens <400> 33 Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg <210> 34 <211> 13 <212> PRT <213> Homo sapiens <400> 34

Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr Arg

10

1 5

```
<211> 22
<212> PRT
<213> Homo sapiens
<400> 35
Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe
                 10
Thr Ala Met Val Trp Lys
     20
<210> 36
<211> 13
<212> PRT
<213> Homo sapiens
<400> 36
Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg
<210> 37
<211> 22
<212> PRT
<213> Homo sapiens
<400> 37
Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe
               10
Thr Ala Met Val Trp Lys
   20
<210> 38
<211> 17
<212> PRT
<213> Homo sapiens
<400> 38
Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr Cys Phe Asp
1 5 10 15
```

Lys

<210> 35

```
<211> 24
<212> PRT
<213> Homo sapiens
<400> 39
Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr Cys Phe Asp
                             10
Lys Tyr Thr Gly Asn Thr Tyr Arg
 20
<210> 40
<211> 13
<212> PRT
<213> Homo sapiens
<400> 40
Gly Asn Leu Leu Gln Cys Ile Cys Thr Gly Asn Gly Arg
                                10
<210> 41
<211> 18
<212> PRT
<213> Homo sapiens
<400> 41
His Thr Ser Val Gln Thr Thr Ser Ser Gly Ser Gly Pro Phe Thr Asp
                      10
Val Arg
<210> 42
<211> 10
<212> PRT
<213> Homo sapiens
<400> 42
His Tyr Gln Ile Asn Gln Gln Trp Glu Arg
                                10
<210> 43
<211> 7
<212> PRT
```

<210> 39

<213> Homo sapiens

```
<400> 43
Ile Gly Asp Thr Trp Ser Lys
<210> 44
<211> 8
<212> PRT
<213> Homo sapiens
<400> 44
Ile Ser Cys Thr Ile Ala Asn Arg
1 5
<210> 45
<211> 26
<212> PRT
<213> Homo sapiens
<400> 45
Gln Ala Gln Gln Met Val Gln Pro Gln Ser Pro Val Ala Val Ser Gln
1 5 10 15
Ser Lys Pro Gly Cys Tyr Asp Asn Gly Lys
20 25
<210> 46
<211> 19
<212> PRT
<213> Homo sapiens
<400> 46
 \hbox{Arg Pro His Glu Thr Gly Gly Tyr Met Leu Glu Cys Val Cys Leu Gly } \\
Asn Gly Lys
<210> 47
<211> 16
<212> PRT
<213> Homo sapiens
<400> 47
Thr Tyr Leu Gly Asn Ala Leu Val Cys Thr Cys Tyr Gly Gly Ser Arg
```

1 5 10 15

```
<210> 48
<211> 9
<212> PRT
<213> Homo sapiens
<400> 48
Val Gly Asp Thr Tyr Glu Arg Pro Lys
<210> 49
<211> 14
<212> PRT
<213> Homo sapiens
<400> 49
Cys Ser Gly Glu Glu Gln Ser Leu Glu Gln Cys Gln His Arg
   5
                               10
<210> 50
<211> 8
<212> PRT
<213> Homo sapiens
<400> 50
Cys Tyr Gly Pro Gly Val Gly Arg
             5
<210> 51
<211> 7
<212> PRT
<213> Homo sapiens
<400> 51
Asp Val Ala Val Leu Cys Arg
<210> 52
<211> 14
<212> PRT
<213> Homo sapiens
<400> 52
Glu Ala Thr Leu Gln Asp Cys Pro Ser Gly Pro Trp Gly Lys
     5
                               10
```

```
<211> 22
<212> PRT
<213> Homo sapiens
<400> 53
Glu Leu Gly Cys Gly Ala Ala Ser Gly Thr Pro Ser Gly Ile Leu Tyr
                10
1 5
Glu Pro Pro Ala Glu Lys
  20
<210> 54
<211> 25
<212> PRT
<213> Homo sapiens
<400> 54
Glu Leu Gly Cys Gly Ala Ala Ser Gly Thr Pro Ser Gly Ile Leu Tyr
1 5
               10 15
Glu Pro Pro Ala Glu Lys Glu Gln Lys
      20
<210> 55
<211> 19
<212> PRT
<213> Homo sapiens
<400> 55
Phe Trp Gly Phe His Asp Cys Thr His Gln Glu Asp Val Ala Val Ile
 5
                10
Cys Ser Gly
<210> 56
<211> 14
<212> PRT
<213> Homo sapiens
<400> 56
Gly Gln Trp Gly Thr Val Cys Asp Asp Gly Trp Asp Ile Lys
1 5 10
```

<210> 57 <211> 21

```
<213> Homo sapiens
<400> 57
Gly Gln Trp Gly Thr Val Cys Asp Asp Gly Trp Asp Ile Lys Asp Val
                       10
Ala Val Leu Cys Arg
         20
<210> 58
<211> 14
<212> PRT
<213> Homo sapiens
<400> 58
Gly Val Trp Gly Ser Val Cys Asp Asp Asn Trp Gly Glu Lys
                             10
            5
<210> 59
<211> 21
<212> PRT
<213> Homo sapiens
<400> 59
Gly Val Trp Gly Ser Val Cys Asp Asp Asn Trp Gly Glu Lys Glu Asp
    5
                   10
Gln Val Val Cys Lys
          20
<210> 60
<211> 16
<212> PRT
<213> Homo sapiens
<400> 60
His Gln Asn Gln Trp Tyr Thr Val Cys Gln Thr Gly Trp Ser Leu Arg
     5
                              10
<210> 61
<211> 7
<212> PRT
<213> Homo sapiens
```

<212> PRT

```
<210> 62
<211> 9
<212> PRT
<213> Homo sapiens
<400> 62
Lys Cys Tyr Gly Pro Gly Val Gly Arg
1 5
<210> 63
<211> 13
<212> PRT
<213> Homo sapiens
<400> 63
Lys Pro Ile Trp Leu Ser Gln Met Ser Cys Ser Gly Arg
                           10
<210> 64
<211> 6
<212> PRT
<213> Homo sapiens
<400> 64
Leu Glu Val Leu His Lys
<210> 65
<211> 11
<212> PRT
<213> Homo sapiens
<400> 65
Leu Val Gly Gly Asp Asn Leu Cys Ser Gly Arg
1 5
<210> 66
<211> 7
<212> PRT
<213> Homo sapiens
<400> 66
Leu Val Gly Gly Leu His Arg
            5
```

Ile Trp Leu Asp Asn Val Arg

```
<210> 67
<211> 20
<212> PRT
<213> Homo sapiens
<400> 67
Asn Thr Cys Asn His Asp Glu Asp Thr Trp Val Glu Cys Glu Asp Pro
                                10
Phe Asp Leu Arg
  20
<210> 68
<211> 9
<212> PRT
<213> Homo sapiens
<400> 68
Ser Ser Gly Leu Ile Ser His His Arg
1 5
<210> 69
<211> 11
<212> PRT
<213> Homo sapiens
<400> 69
Val Leu Asn Asp Gly Thr Val Tyr Thr Ala Arg
            5
                                10
<210> 70
<211> 8
<212> PRT
<213> Homo sapiens
<400> 70
Val Asn Leu Glu Glu Cys Phe Arg
<210> 71
<211> 7
<212> PRT
<213> Homo sapiens
```

```
Ala Trp Phe Leu Glu Ser Lys
<210> 72
<211> 13
<212> PRT
<213> Homo sapiens
<400> 72
Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg
    5
<210> 73
<211> 7
<212> PRT
<213> Homo sapiens
<400> 73
Asp Leu Gly Pro Leu Thr Lys
<210> 74
<211> 9
<212> PRT
<213> Homo sapiens
<400> 74
Glu Leu Leu Glu Thr Val Val Asn Arg
<210> 75
<211> 12
<212> PRT
<213> Homo sapiens
<400> 75
Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg
                                10
<210> 76
<211> 19
<212> PRT
<213> Homo sapiens
<400> 76
Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg Asp Leu Gly Pro
               5
                                  10
```

```
Leu Thr Lys
```

```
<210> 77
<211> 8
<212> PRT
<213> Homo sapiens
<400> 77
Lys Thr His Ser Leu Cys Pro Arg
<210> 78
<211> 11
<212> PRT
<213> Homo sapiens
<400> 78
Met Lys Glu Leu Leu Glu Thr Val Val Asn Arg
             5
                                10
<210> 79
<211> 7
<212> PRT
<213> Homo sapiens
<400> 79
Thr His Ser Leu Cys Pro Arg
<210> 80
<211> 15
<212> PRT
<213> Homo sapiens
<400> 80
Thr Arg Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg
      5
                          10
<210> 81
<211> 5
<212> PRT
<213> Homo sapiens
<400> 81
```

```
Trp Ser Leu Val Arg
<210> 82
<211> 19
<212> PRT
<213> Homo sapiens
<400> 82
Cys Pro Asn Val His Cys Leu Ser Pro Val His Ile Pro His Leu Cys
   5
                10
Cys Pro Arg
<210> 83
<211> 17
<212> PRT
<213> Homo sapiens
<400> 83
Ser Arg Gln Ser Val Val Thr Leu Gln Gly Ser Ala Val Val Ala Asn
1 5
                   10
Arg
<210> 84
<211> 12
<212> PRT
<213> Homo sapiens
<400> 84
Ala Ser Phe Glu Glu Leu Cys Ser Glu Tyr Arg Lys
                10
1 5
<210> 85
<211> 10
<212> PRT
<213> Homo sapiens
<400> 85
Glu Val Thr Val Leu Leu Glu His Gln Lys
1 5
                 10
```

```
<212> PRT
<213> Homo sapiens
<400> 86
Ser Phe Thr Ile Trp Leu Ser Asp Lys
   5
<210> 87
<211> 18
<212> PRT
<213> Homo sapiens
<400> 87
Ser Ser Asp Pro Asp Phe Arg Val Leu Asn Asp Gly Ser Val Tyr Thr
                          10
Ala Arg
<210> 88
<211> 11
<212> PRT
<213> Homo sapiens
<400> 88
Val Leu Asn Asp Gly Ser Val Tyr Thr Ala Arg
             5
                              10
<210> 89
<211> 8
<212> PRT
<213> Homo sapiens
<400> 89
Val Asn Leu Glu Glu Cys Phe Arg
<210> 90
<211> 11
<212> PRT
<213> Homo sapiens
<400> 90
Asp Ile Gln Gly Ser Leu Gln Asp Ile Phe Lys
1 5
                 10
```

<211> 9

```
<210> 91
<211> 16
<212> PRT
<213> Homo sapiens
<400> 91
Thr Pro His Ala Glu Asp Met Ala Glu Leu Val Ile Val Gly Gly Lys
                  10
<210> 92
<211> 11
<212> PRT
<213> Homo sapiens
<400> 92
Val Asn Ser Asp Gly Gly Leu Val Ala Leu Arg
1 5
                              10
<210> 93
<211> 9
<212> PRT
<213> Homo sapiens
<400> 93
Tyr Glu Val Ser Ser Pro Tyr Phe Lys
             5
<210> 94
<211>
```